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इस भाग में निम्नपुष्ट संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 5th March, 1988

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CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated 28th November, 1987 under the heading 'Application for Patents filed in the Patent Office Branch, Bombay-13' on page 1199.

- (i) In respect of Patent Application number 307/Bom/1987 the title of invention for "PROCESS DEVELOPMENT OF N₁ N-BIS (PHOSPHONOMETHYL GLYSINE). (KNOWN GENERALLY AS GLYPHOSINE NOVEL PLANT GROWTH REGULATOR SPECIFIC FOR CANE SUGAR"—read as

PROCESS DEVELOPMENT OF N₁ N-BIS (PHOSPHONOMETHYL GLYSINE) (KNOWN GENERALLY AS GLYPHOSINE)-A NOVEL PLANT GROWTH REGULATOR SPECIFIC FOR CANE SUGAR.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 28th January, 1988

- 60/Cal/88. Iel Limited. A Process for the preparation of Aliphatic or Aromatic substituted amines.
- 61/Cal/88. Romesh Chander Punshi. A CTC machine having an improved dejamming device for its rollers.
- 62/Cal/88. Petrofina (U.K.) Limited. Process for preparing smokeless, cured fuel briquettes.
- 63/Cal/88. Peter Alsop. Installing Frond mats on the Seabed. (30th January 1987) 8702131 U.K.
- 64/Cal/88. OY Santasalo-Sohlberg AB. Column Construction or boiling space in a distilling apparatus.
- 65/Cal/88. Westinghouse Electric Corporation. Improvements in or Relating to Circuit Interrupter Apparatus with an Integral Trip Curve Display.
- 66/Cal/88. Westinghouse Electric Corporation. Circuit Interrupter Apparatus with a Battery Backup and Reset Circuit.
- 67/Cal/88. Westinghouse Electric Corporation. Circuit Interrupter Apparatus with a Style Saving Rating Plug. (20th February 1987) 017300 U.S.
- 68/Cal/88. Westinghouse Electric Corporation. Improvements in or Relating to Circuit Interrupter Apparatus with a Style saving override circuit.
- 69/Cal/88. Westinghouse Electric Corporation. Circuit Interrupter Apparatus with a Selectable Display Means.
- 70/Cal/88. Westinghouse Electric Corporation. Electric Generator Inspection system and motor controller.
- 71/Cal/88. Moskovsky Institut Inzhenerov Zheleznodorozhnogo Transporta. Flow Meter.
- 72/Cal/88. NGK Insulators, Ltd. A Suspension Insulator.
- 73/Cal/88. Siemens Aktiengesellschaft. Electronic Module.
- 74/Cal/88. Irving Chung-Chichen Mill Roll.
- The 29th January, 1988
- 75/Cal/88. N.V. Philips' Gloeilampenfabrieken. Combined IF-trap and parallel resonant circuit for a television tuner.
- 76/Cal/88. Proizvodstvennoe Obiedinenie "Nevsky Zavod" Imeni V.I. Lenina. Impeller of a Centrifugal Compressor.
- 77/Cal/88. Sachindra Prosad Saha. Machine for producing Separator plates for lead-acid and other storage Batteries.
- 78/Cal/88. Sachindra Prosad Saha. Separators for Battery plates of Accumulators.
- 79/Cal/88. HI-TEK Polymers, INC. Hydrophobically Modified Non Ionic Polygalactomannan ethers.
- 80/Cal/88. Upendra Kumar Das. Bhaskar Bicycle-Fly Heels System.
- 81/Cal/88. Ashok Pandey. New type of Hawai Slipper.
- The 1st February, 1988
- 82/Cal/88. E.I.D.U. Ponte De Numours and Company. Rigid Composite.
- 83/Cal/88. General Electric Company. Oxidation-and hot corrosion-resistant nickel-base alloy coatings and claddings for industrial and marine gas turbine hot section components and resulting composite articles.
- 84/Cal/88. Menzolit GMBH. Process and Apparatus for Producing Fibre-Reinforced Thermoplastic Material for the Production of Mouldings.
- 85/Cal/88. Menzolit GMBH. Semifinished Product and process and apparatus for producing a dimensionally stable thermoplastic semifinished product.
- 86/Cal/88. Hoechst Aktiengesellschaft. Copper Complex Formazan Compounds, Process for Their Preparation, and Their Use as Dyes.
- 87/Cal/88. Hoescht Aktiengesellschaft. Process for the preparation of the lithium salt of a fiber-reactive azo dyestuff.
- The 2nd February, 1988
- 88/Cal/88. Dr. Niharendu Bikas Sinha. New break through in synthesis of synthesis Humas the ligno protin complex, which has key role in maintenance of soil fertilizers.
- 89/Cal/88. Hydranautics, Stable Membranes From Sulfonated Poly-arylethers.
- 90/Cal/88. Vossloh-Werke Gmbh. Rail Fastening Means Utilizing A Resilient Clamp.
- 91/Cal/88. Vossloh-Werke Gmbh. Device for Fastening Rails to Sleepers.
- APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005
- The 28th December, 1987
- 1126/Del/87. Munishwar Kumar, "Rail Conveyor System".
- 1127/Del/87. Kshetra Pal Singh, "Speed changer for bicycles and cycle rickshaws".
- 1128/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of novel substituted piperazines useful as male fertility regulating agents".
- 1129/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of sustained release injectible of rifampicin".
- 1130/Del/87. Council of Scientific and Industrial Research, "Process for the extraction of kappa carrageenan from Indian red seaweeds".
- 1131/Del/87. Council of Scientific and Industrial Research, "A process for preparation of a dispersant chemical for selective dispersion of alumina bearing minerals and utilization of the chemical in the beneficiation of ores and minerals following dispersion cum settling approach".

- 1132/Del/87. Council of Scientific and Industrial Research, "Development of high flux high separation thin film composite reverse osmosis membranes for desalination of highly saline waters".
- 1133/Del/87. Council of Scientific and Industrial Research, "A new technique for the preparation of brunswick greens".
- 1134/Del/87. Geraver, "Improved soda lime glass dielectric material and process for the preparation thereof [Divisional date 18th April, 1985].
- 1135/Del/87. Exxon Research and Engineering Co., "Process of thermally cracking hydrocarbons using particulate solids as heat carrier".
- 1136/Del/87. Ukrainsky Institut Inzhenerov Vodnogo Khoz-yaistava, "Magnetic gravity filter".
- 1137/Del/87. Salplex Ltd., "Information handling and control systems". (Convention date 23rd January, 1987 (U.K.).
- 1138/Del/87. PPG Industries, Inc., "Vertical delivery arrangement for float glass process".
- 1139/Del/87. Union Carbide Corporation, "A process for the refining of metal and obtaining a preselected slag composition". [Divisional date 16th April, 1985].
- 1140/Del/87. PPG Industries, Inc. "Method and apparatus for homogenizing flat glass".
- 1141/Del/87. Zhdanovsky Metallurgichesky Institut., "Apparatus for reading information of railway vehicles".

The 29th December, 1987

- 1142/Del/87. Samhwa Electric Industrial Co. Ltd., "Safety device for communication equipment".
- 1143/Del/87. Petersen Manufacturing Co., Inc., "Adjustable locking hand tool".
- 1144/Del/87. Pfizer Inc. "Process for production of B avermectins and cultures therefor".
- 1145/Del/87. Kollmorgen Corporation, "Bonding compositions for the manufacture of additive printed wiring boards and articles made with the bonding composition".
- 1146/Del/87. Bertin & Cie., "A microbeam laser machine for acting on objects having thin layers of material".
- 1147/Del/87. Nobel Kemi AB., "A method for the production of HNS II".

The 30th December, 1987

- 1148/Del/87. Colgate Palmolive Co., "Antibacterial anti-plaque, anticalculus oral composition".
- 1149/Del/87. Exxon Research and Engineering Co., "An improved process for the production of a reformed hydrocarbon gas". (Convention date 9th November, 1984) (Australia) & [Divisional date 13th May, 1985].

The 31st December, 1987

- 1150/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to electro refining of aluminium".
- 1151/Del/87. Council of Scientific and Industrial Research, "Improvement in or relating to the fabrication of porous iron electrode for nickel iron battery".
- 1152/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the preparation of 2, 4, 4, 4-tetrachlorobutyronitrile".

- 1153/Del/87. Council of Scientific and Industrial Research, "A process for the synthesis of novel 1-(4-(3-tolyl)-piperazine-1-yl)-3-(thio(4-substituted) phenyl) propanes useful as potential antihypertensive agents".

- 1154/Del/87. Council of Scientific and Industrial Research, "An improved process for the production of colenol from the roots of the plant coleus forskohcii brig (cyn. C. barbatius)".

- 1155/Del/87. Council of Scientific and Industrial Research, "A process for solubilisation of tungsten values from scheelite through sodaash roast leach method".

- 1156/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of novel trialkyl acyl ammonium compounds useful as phase transfer catalysts (PTC)".

- 1157/Del/87. Council of Scientific and Industrial Research, "A process for the production of special pitch useful for making carbon-carbon composites, graphite electrodes, carbon fibre and the like".

- 1158/Del/87. Council of Scientific and Industrial Research, "An improved process for the synthesis of 3, 6 Di-O-methyl-D-glucose".

- 1159/Del/87. Council of Scientific and Industrial Research, "An improved process for the preparation of high temperature superconductor".

- 1160/Del/87. Council of Scientific and Industrial Research, "A process for the synthesis of novel Di-2-substituted-1, 2, 3, 4,- tetrahydro-9H-pyrido (3, 4-b) indole-3-carboxylic acids useful as potential anti-ulcer agents".

The 31st December, 1987

- 1161/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of 2-amino-4-alkyl-6-alkoxy-s- triazines".

- 1162/Del/87. Council of Scientific and Industrial Research, "An improved process for production of contact material by a two layer powder pressing-sintering-infiltration technique".

- 1163/Del/87. President and Fellows of Harvard College, "T7 DNA polymerase".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13

The 18th December, 1987

- 369/Bom/87. Hindustan Lever Limited. Cosmetic Composition. 23rd December, 1986. Great Britain.

The 21st December, 1987

- 370/Bom/87. Hindustan Lever Limited. Cosmetic Composition. 23rd December, 1986. Great Britain.

- 371/Bom/87. Vipin Chamsey Shah. A multi-filament lamp.

- 372/Bom/87. Richard D. Souza. Tight crew wall plugs or bolt fasteners.

The 22nd December, 1987

- 373/Bom/87. Mr. Virendra Rasiklal Doshi and Mr. Babulal Mansukhlal, Parekh. A novel device for elevating materials in the form of liquid, powder granule, slurry liquified gas and the like.

The 23rd December, 1987

- 374/Bom/87. Ashok Ganesh Kharkar and Ramchandra Shridhar Sathe. A collapsible packing case (Hinged type).

The 28th December, 1987

- 375/Bom/87. Bajaj Auto Limited. Front suspension for two wheeler vehicles.
- 376/Bom/87. Mohanlal Purshottamdas Tank. A novel device for elevating materials in the form of liquids or granular materials.
- 377/Bom/87. Jagdish Chandra Parekh. An improved process for manufacturing different types/varieties of coated art paper/board and a device for carrying out said process.
- 378/Bom/87. Dilip Gopal Datey and Deepak Kamalakar Kemkar. A thermostatically controlled hydraulic viscous fluid drive variable speed clutch device.
- 379/Bom/87. Shri Sarosh Hiraji Bala. Ready to assemble swimming pool kits of various forms and optional arrangements.
- 380/Bom/87. Patel Maneklal Prahaladbhai, Patel Prahaladbhai Jethalal and Patel Mahendra Prahaladbhai. Radial driveline flexible jaw coupling.

The 29th December, 1987

- 381/Bom/87. Muralidhar Narayan Desai. Co-ordinated designs of piston spark plug and head of auto/aero engines.
- 382/Bom/87. Bajaj Auto Limited. Flasher direction indicators for motor vehicles.
- 383/Bom/87. Viswanath Dattatreya Hukerikar. Orbiting cylinder type internal combustion engine.

The 30th December, 1987

- 384/Bom/87. Sadashiv Moreshwar Deo and Ramesh Bhalchandra Kher. Improved frames for doors/windows/ventilators and the like and method of manufacturing and erecting such frames.

The 31st December, 1987

- 385/Bom/87. Hindustan Lever Ltd. Toothpaste.
- 386/Bom/87. Siltap Chemicals Ltd. 16th January, 1987. Great Britain. 16th April 1987 Great Britain. Process and apparatus for compressive transverse stretching of polymeric sheet material.
- 387/Bom/87. Gajanan Anant Shiledac Baxi. Dish Washing Machine.

APPLICANTS FOR PATENTS AT THE PATENT
OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600002

The 12th January, 1988

- 14/Mas/88. The Dow Chemical Company. Method for treating subterranean formations.
- 15/Mas/88. Henkel Kommanditgesellschaft auf Aktien. Smoothing preparations for textile fibres.
- 16/Mas/88. Hedley Purvis Limited. Improvements in or relating to torque wrenches. (January 20, 1987; United Kingdom).
- 17/Mas/88. Schlumberger Industries. A method of making memory cards, and cards obtained by implementing said method.
- 18/Mas/88. Schmid Laboratories, Inc. A method for making a film article. (October 29, 1984; Canada). (Divisional to Patent Application No. 860/Mas/84).

- 19/Mas/88. Henkel Kommanditgesellschaft auf Aktien. Smoothing preparations for textile fibres.

The 13th January, 1988

- 20/Mas/88. Ennor Industries Private Limited. A hydraulic baling machine and a special process of baling.
- 21/Mas/88. Rhone-Poulenc Films. Process for the production of polyvinylidene chloride-coated polyester films and new composite films thus obtained.
- 22/Mas/88. Electro-scan corporation. Scanning electron microscope for visualization of wet samples.
- 23/Mas/88. Merlin Gerin. Multiphase gas expansion circuit breaker for a gas-insulated metalclad cell.

The 14th January, 1988

- 24/Mas/88. The Dow Chemical Company. A secondary electrical energy storage device. (Divisional to Patent Application No. 946/Mas/84).
- 25/Mas/88. The Plessey Company, plc. Time Division multiplexed signalling. (February 20, 1987; Great Britain).
- 26/Mas/88. Fisher Controls International, Inc. Taper key joint for connecting a rotary valve shaft to a valve disc.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 79.

4
161941

Int. Cl. G 06 k 13/00.

A DOCUMENT SHEET FEEDING AND REGISTRATION APPARATUS.

Applicant : XEROX CORPORATION OF XEROX SQUARE, ROCHESTER, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors: 1. RUSSELL LEF PHELPS, 2. KARL ELLIOTT LIECHTY.

Application No. 945/Cal/83 filed July 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

In a document sheet feeding and registration apparatus for deskewing and registering a document sheet relative to a copying position on a copier platen by feeding it against a sheet aligning document registration means, the improvement comprising :

first document sheet feeding means for initially feeding a document sheet towards the registration means comprising transversely extending high friction sheet engaging and feeding means for resisting skewing of the document sheet as it is being fed thereby;

second document sheet feeding means adjacent said registration means comprising a single roller for engaging the leading edge area of the document sheet intermediately thereof, said second document sheet feeding means providing low rotational resistance to deskewing of the document sheet while-feeding the document sheet into alignment with said registration means,

and disengagement means for removing said first document sheet feeding means from said high-friction engagement with the document sheet after the leading edge of the document sheet is under the influence of said second document sheet feeding means but before the document sheet engages said registration means so that control of the document sheet is only by said second document sheet feeding means during the feeding of the document against the document registration means and its deskewing thereby.

Compl. Specn. 22 pages. Drgs. 3 sheets.

CLASS : 176-J; 206-E.

161942

Int. Cl. G 05 111/42; G 05 d 13/60.

THREE-MODE ANALOG CONTROLLER FOR REGULATING A SIGNAL.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. MARION ALVAH KEYES, 2. PETERK-WOK POON LUI, 3. JACK WILBUR MALCOLM.

Application No. 1064/Cal/83 filed September 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A three-mode analog controller for regulating a signal corresponding to a control variable to produce a control output comprising :

an integrating circuit for integrating the signal with a selected time constant and having a reset adjustment for varying the time constant;

a proportional circuit for applying a selected gain to the signal and having a gain adjustment for varying the gain; and

a derivative circuit for obtaining a derivative of the signal at a selected rate and having adjustment means for varying the rate;

at least one of said reset adjustment, said gain adjustment and said rate adjustment comprising a light source, a current line connected to said source for applying a select current value to said light source for producing a varied light emission from said light source and a photoresistor which varies in resistance with variations in light emitted by said light source.

Compl. Specn. 13 pages. Drgs. 4 sheets.

CLASS : 141-D.

161943

Int. Cl. C 01 g 3/00, 9/08.

AN IMPROVED METHOD OF PROCESSING SULPHIDE COPPER AND FOR THE PRODUCTION OF NON-FERROUS METALS.

Applicant : VSESOUZNY NAUCHNO-ISSLEDOVATELSKY GORNO-METALLURGICHESKY. INSTITUT TSVETNYKH METALLOV, OF UST-KAMENOGORSK, ULITSА PROMYSHLENNAYA, I, USSR.

Inventors :

1. ANATOLY IVANOVICH PANCHENKO,
2. JURY IVANOVICH SANNIKOV,
3. IGOR MIKHAILOVICH CHEREDNIK,
4. ANATOLY PETROVICH SYCHEV,
5. VLADIMIR IVANOVICH YARYGIN,
6. VYACHESLAV PETROVICH KUUR,
7. IVAN GRIGORIEVICH VIKHAREV,
8. MELS ZAINELGABIEVICH TOGUZOV,
9. VLADIMIR MIKHAILOVICH FEDOTOV.

Application No. 1241/Cal/83 filed October 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

An improved method of processing sulphide copper or sulphide copper-zinc iron-bearing concentrates, for the production of non-ferrous metals comprising : flash smelting of said concentrates in the presence of basic fluxes or a mixture of basic fluxes and oxygen with the formation of a dispersed mixture of slag, metallic copper or white matte, said fluxes being fed for smelting to ensure the production of highly basic molten slag resultant from smelting in the presence of oxygen and having the weight ratio of the sum of silicon dioxide and aluminium oxide to the sum of calcium oxide and magnesium oxide, ferric and ferrous oxides ranging from 0.01 to 0.33 and the weight ratio of the sub of calcium oxide and magnesium oxide to the sum of ferric and ferrous oxides ranging from 0.19 to 0.76; reduction of copper and an zinc oxides, contained in the molten slag, by means of a solid carbonaceous material taken in an amount exceeding the stoichiometric required for reduction of zinc and copper, this being followed with the formation of a vapour-gas mixture containing zinc vapour, and of metallic copper and slag with non-ferrous metals recovered therefrom; oxidizing said vapour-gas mixture; collecting zone oxides resultant from said oxidation.

Compl. Specn. 80 pages. Drg. nil.

CLASS : 155-A.

161944

Int. Cl. B 05 c 1/00, 1/02.

APPARATUS FOR UNIFORMLY APPLYING ETHER LIQUID OR FOAM COMPOSITIONS TO A MOVING WEB.

Applicant : WEST POINT-PEPPERELL, INC. OF 400 WEST 10TH STREET, WEST POINT, GEORGIA 31833, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH ALBERT PACIFICI 2. CLIFFORD ALDENE BRYANT.

Application No. 1269/Cal/83 filed October 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

Apparatus for applying liquid and foam compositions to a moving web, including :

a manifold comprising a pipe having a plurality of inlet ports spaced along its length for receiving said composition;

a curved blade oriented so as to have a crest extending in a substantially horizontal line, said blade terminating in a straight edge on one side of the crest and contacting the manifold along a line parallel to, and below the level of said horizontal line on the opposite side of the crest;

means for defining a reservoir between said manifold and the curved blade above the line of contact therebetween; and

outlet means in the manifold for uniformly discharging said composition from the manifold into the reservoir to cause the reservoir to fill and overflow whereby said composition passes over the crest of the blade and moves as a uniform film along the blade to its edge for deposit onto the web as it moves past said edge.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 32-E.

161945

Int. Cl. C 08 d 1/04.

CONTINUOUS PROCESS FOR PRODUCING RUBBER MODIFIED HIGH-IMPACT RESINS.

Applicants : MITSUI TOATSU CHEMICALS, INCORPORATED OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN; TOYO ENGINEERING CORPORATION, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TETSUYUKI MATSUBARA, 2. NORI-FUMI ITO, 3. KOUZO ICHIKAWA, 4. KOUICHI ARAHARI, 5 TETSUO MAEDA.

Application No. 1338/Cal/83 filed October 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A continuous bulk or solution polymerization process for producing rubber modified high-impact resins which comprises continuously feeding a raw material solution comprising a mixture of an aromatic vinyl monomer and a vinyl cyanide monomer and a rubber component such as herein described dissolved in said mixture, together with a radical polymerization initiator such as herein described to a first reactor, polymerizing said raw material solution under high-shear agitation to the conversion required to transform the rubber component phase into dispersed particles, withdrawing the reaction mixture continuously from said first reactor at a rate corresponding to the feed rate of said raw material solution, and feeding said reaction mixture to a second or more reactors for further polymerization, the process being characterized in that

- (a) the weight ratio of said aromatic vinyl monomer to said vinyl cyanide monomer present in said raw material solution ranges from 99/1 to 50/50;
- (b) said rubber component present in said raw material solution has a viscosity of not greater than 100 centistokes when measured as a 5% solution in styrene at 30°C;
- (c) the content of said rubber component in said raw material solution is not greater than 10% by weight;
- (d) the content of the solvent in said raw material solution is not greater than 40% by weight;
- (e) said radical polymerization initiator has a 10-hour half-life decomposition temperature of 100°C or below;

(f) said radical polymerization initiator is fed to said first reactor in an amount of not less than 30 ppm based on said raw material solution; and

(g) the conversion of said monomers at said first reactor is controlled by conventional method in such a way that it lies between 10 and 35% by weight.

Compl. Specn. 30 pages. Drg. nil.

CLASS : 88-F.

161946

Int. Cl. B 01 d 47/00.

A METHOD FOR LIMITING THE NH₃ CONTENT IN METHANOL.

Applicant : LINDE AKTIENGESellschaft, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. ROLAND LANG, 2. HEINZ KARWAT.

Application No. 1578/Cal/83 filed December 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

In a method for limiting the NH₃ content in methanol to prevent an excessive enrichment of ammonia in the methanol scrubbing medium or a process comprising using methanol to scrub out at least CO₂ from a gaseous mixture containing sour gas and a trace amount of NH₃ and traces of other acidic components and/or to prevent ice formation prior to the scrubbing step, and after the scrubbing process, separating absorbed gaseous components and/or water from the methanol and reusing the resultant regenerated methanol in the cycle as scrubbing liquid and/or for preventing ice formation, the improvement comprises discontinuously adding a sufficient amount of a strong acid to the methanol in order to form a water-soluble ammonium salt without precipitating any ammonium salt, transferring said water-soluble salt to an aqueous phase, and removing said aqueous phase from the scrubbing cycle and during the interruption of the acid feed adding an alkaline compound to the methanol for removal of traces of acidic components like formic acid hydrocyanic acid and/or thiocyanic acid.

Compl. Specn. 16 pages. Drg. 1 sheet.

CLASS : 32-F₃ a, c. ; 60-X.

161947

Int. Cl. C 07 c 51/00.

PROCESS FOR THE PREPARATION OF (1R, C1S)-3'-PHENOXY-BENZYL-2, 2-DIMETHYL-3-HYDROXYMETHYL CYCLOPROPANE CARBOXYLATES.

Applicant : IEL LIMITED, FORMERLY KNOWN AS INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : 1. ARUN KANTI MANDAL, 2. NAND-KUMAR RAMGOPAL SONI, 3. K. RAKESH RATNAM.

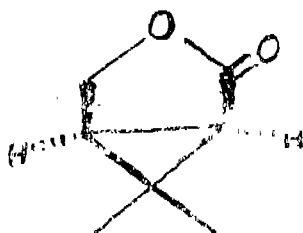
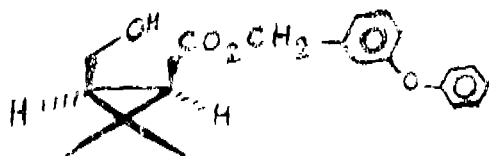
Application No. 61/Cal/84 filed January 28, 1984.

Compl. Specn. left on 25th March, 1985.

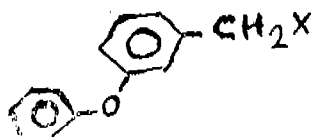
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A process for the preparation of (1R, Cis)-3'-phenoxybenzyl-2, 2-dimethyl-3-hydroxymethyl cyclopropane carboxylate of the Formula I of the accompanying drawings



which comprises hydrolysing the γ -lactone of (1R, Cis)-2, 2-dimethyl-3-hydroxy-methyl cyclopropane-1-carboxylic acid of the Formula IV of the drawings



and reacting the hydrolysate thus formed with the 3-phenoxybenzyl halide of the Formula V of the drawings.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 80-G.

161948

Int. Cl. B 01 d 15/00, 17/00, 21/00, 35/00.

AN APPARATUS FOR THICKENING A SUSPENSION OF SOLID PARTICLES IN A LIQUID.

Applicant : SOCIETE ANONYME D'ETUDES, DE PRODUCTIONS D'AGENTS CHIMIQUES—E.R.P.A.C., OF 9, RUE AUGUSTE BARBIER, 75011 PARIS, FRANCE.

Inventors : 1, GEORGES TREYSSAC, 2, ROBERT MORAWEK,

Application No. 63/Cal/84 filed January 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

An apparatus for thickening a suspension of insoluble organic or mineral solid particles in a liquid, such as a sludge which may be possibly flocculated, comprising a rotary endless screw extending longitudinally in a cylindrical enclosure having at least one inlet for the suspension to be thickened, an outlet for the thickened suspension situated in the vicinity of the front end of the screw and at least one outlet for the liquid separated during the thickening, characterised in that all or part of the threads of the screw have on their thrust face, a friction coefficient higher than that on the rear face of the threads, by at least one but not more than 10.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 201-C; 40-F.

161949

Int. Cl. B 01 d 15/00; C 02 1/00.

PROCESS FOR SEPARATING BORATE IONS FROM AQUEOUS SOLUTION BY ADSORPTION.

Applicant : ASAHI KASEI KOGYO KABUSHIKI KAISHA, OF 2-6, DOJIMAHAME 1-CHOME-KITA-KU, OSAKA, JAPAN.

Inventors : 1, JUNJI NOMURA, 2, YUZURU ISHIBASHI, 3, AKIRA KANEDA.

Application No. 422/Cal/84 filed June 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 claims

A process for separating borate ions from aqueous solutions by adsorption which comprises the step of contacting in any manner as hereinbefore described a borate ion-containing water having a pH of 5 to 11 with a spherical adsorbent having an average diameter of 0.1 mm to 5 mm and a void volume of 0.5 to 0.85 comprising at least one compound selected from the group consisting of hydroxides and hydrous oxides of rare earth elements thereby to have the borate ions adsorbed on the adsorbent, separating the adsorbent having adsorbed borate ions thereon from water by contacting the adsorbent having the borate ions adsorbed thereon with a desorbing solution such as herein described and having a pH of 2 to 4 or 12 to 14 to desorb the borate ions, thereby regenerating said adsorbent and when desired washing the separated adsorbent.

Compl. Specn. 34. Drg. 1 sheet.

CLASS : 32-C.

161950

Int. Cl. C 01 b 7/02.

AN IMPROVEMENT IN OR RELATING TO A PROCESS FOR THE PREPARATION OF GUETHOL ALLYL ETHER.

Applicant : RECKITT & COLMAN OF INDIA LIMITED, OF 41 CHOWRINGHEE ROAD, CALCUTTA-700071, STATE OF WEST BENGAL, INDIA.

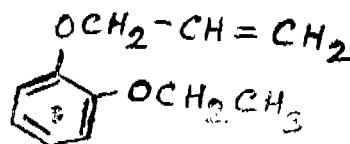
Inventors : 1, DR. SURENDRA PRASAD BHATNAGAR, 2, DR. AJAI PRAKASH, 3, DR. SATISH CHANDRA MISRA, 4, DR. RAMANUJAN SRINIVASA PRASAD, 5, DR. SUSHEEL KUMAR SURI.

Application No. 94/Cal/85 filed February 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

An improvement in or relating to the process for the preparation of guethol allyl ether of Formula I of the accompanying drawings



which comprises reacting guethol with alkali such as potassium hydroxide and allyl chloride in a solvent such as methanol at a temperature of from 0 to 80°C characterised in that reaction is carried out in presence of a catalyst comprising potassium iodide.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 67-A; 133-A & 134-A.

16195*

Int. Cl. G 05 f 1/00; G 05 b 9/00 & B 60 k 27/00; 29/00.

A DEVICE FOR TAMPERPROOFING A CONTROL SYSTEM FITTED TO A VEHICLE.

Applicant : TECHMECHTRON PRIVATE LIMITED, AN INDIAN COMPANY, OF 147-B, 12H MAIN ROAD, III BLOCK, KORAMANGALA, BANGALORE-560 034, KARNATAKA STATE, INDIA.

Inventor : RASHID FUTEHALLY.

Application No. 23/Mas/84 filed January 13, 1984.

Complete Specification left December 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 claims

A device for tamperproofing a control system of the type herein before defined fitted to a vehicle, comprising; a modulator encoder means to convert the DC electrical output generated by a command signal generator for actuating the controller of the said control system into a coded electrical signal of predetermined characteristics; the modulator/encoder means and the command signal generator being sealed inside a common housing, a demodulating/decoding means responsive only to the said coded electrical signal and producing a DC electrical signal which operates the said controller; the said demodulating/decoding means and the connections between this means and the said controller being sealed inside the housing of the controller with only the input terminals to this means being accessible (thus making the said controller unresponsive to any signal having characteristics of different from the said coded signals being applied to the input of the said demodulating/decoding means), and the output of the said modulator/encoder means and the input of the said demodulating/decoding means being electrically connected to carry the said coded electrical signal.

Pro. 13 pages; Drgs. 2 sheets.

Compl. 14 pages; Drgs. nil.

CLASS : 206 E.

161952

Int. Cl. G 08 c 15/00.

A TRANSVERSAL HORIZONTAL MULTIPLEXER.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF DELAWARE, U.S.A. OF 320 PARK AVENUE, NEW YORK 10022, STATE OF NEW YORK, U.S.A.

Inventor : STEVEN GREGORY MORTON, JOHN MICHAEL COTTON.

Application No. 174/Mas/84 filed 17 March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 claims

A transversal horizontal multiplexer comprising first, second and third two-input multiplexers having first and second inputs and an output, first and second tri-state buffers each having an input, an output and a control line, a bidirectional transmission gate having first and second ports, and a control line, a data-in path, a data-out path, a left path and a right path, said first input of said first two-input multiplexer connected to said output of said second tri-state buffer, said first input of said third two-input multiplexer, said first port of said bidirectional transmission gate, and said right path, said second input of said first two-input multiplexer connected to said second input of said second two-input multiplexer and to said data-in path, said output of said first two-input multiplexer connected to said input of said first tri-state buffer, said output of said second two-input multiplexer connected to said input of said second tri-state buffer, said first input of

said second two-input multiplexer connected to said second port of said bidirectional transmission gate, the output said first tri-state buffer, said second input of said third two-input multiplexer and said left path.

Compl. Specn. 45 pages. Drgs. 24 sheets.

CLASS : 87-E.

161953

Int. Cl. A 63 f 9/08.

A DEVICE FOR TESTING HUMAN INGENUITY.

Applicant & Inventor : THANUMALAYAPERUMAL MUTHU, 73, MUTHAGAM, PANCHALINGAPURAM, MAHADHANAPURAM P.O.-629 706, KANYAKUMARI DIST., TAMIL NADU.

Application No. 302/Mas/84 filed April 28, 1984.

Compl. Specn. left : July 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 claims

A device for testing human ingenuity comprising two mounts carrying a plurality of elements, characterised in that each element is constituted by a semi-circular ring bearing marks, such as, numerals thereon, the mounts and the elements being peripherally in movable engagement with each other for enabling the elements to be manually rotated on the mounts; and means for movable coupling the diametral faces of the mounts for enabling the same to be laterally displaced or inverted with respect to each other.

Com. 5 pages; Drg. 1 sheet.

CLASS : 98 E & 98 G.

161954

Int. Cl. F 28 d 13/00.

APPARATUS FOR CARRYING OUT PHYSICAL AND/OR CHEMICAL PROCESSES, MORE SPECIFICALLY A HEAT EXCHANGER OF THE CONTINUOUS TYPE.

Applicant : ESMIL B.V., OF P.O. BOX 7811, 1008 AA AMSTERDAM, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : DICK GERRIT KLAREN.

Application No. 518/Mas/84 filed July 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 claims

Apparatus for carrying out physical and/or chemical processes, in particular a heat exchanger of the continuous type, characterised in that it comprises a bundle of parallel vertical riser tubes, an upper chamber, a lower chamber, an upper pipe plate and a lower pipe plate for open connection of the pipe bundle to the upper and lower chambers respectively a granular mass that can be kept in a fluidised condition at least in the riser tubes by a fluid medium that flows during operation upwardly through the lower chamber, the riser tubes and the upper chamber, a distribution plates for the granular mass in the lower chamber, and at least one return tube with an outlet below the distribution plate for return of an overflow of granules above the upper pipe plate from the upper chamber to the lower chamber, wherein each riser tube is provided with an inflow element extending into the lower chamber from the lower pipe plate to a level above the distribution plate through which the return tube or return tubes projects or project, and the lower chamber is provided with a device that prevents the granules from reaching the lower chamber inlet for the fluid medium at standstill and a constriction is provided in the ends of the riser tubes to open into the upper chamber.

Compl. Specn. 23 pages, Drgs. 11 sheets.

CLASS : 6 A 2.

161955

Int. Cl. F 25 j 3/04.

AIR SEPARATION METHOD FOR SEPARATING THE AIR INTO O₂ AND N₂.

Applicant : KOBE STEEL, LTD., A JAPANESE CORPORATION, OF 3-18 WAKINOHAMA-CHO 1-CHOME, CHUO-KU, KOBE, 651, JAPAN.

Inventor : TEISUO IZUMICHI, TAKASHI OHYAMA.

Application No. 525/Mas/84 filed July 19, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 claims

In a method for separating air into oxygen and nitrogen which comprises introducing air through an air filter in to a first heat exchanger wherein the air is compressed and cooled in a after-cooler, introducing the thus cooled air into a second heat exchanger, through a pipe for further cooling by gases recycled, removing water and carbon dioxide therefrom by conventional methods, introducing the said further cooled air into lower column of a second heat exchanger, via a pipe and is rectified by conventional method to an oxygen enriched portion and a nitrogen enriched portion at the top of the said lower column, the liquid air, thus subjected to primary rectification, is then introduced into a liquid air sub-cooler and thereafter into an upper column of the second heat-exchanger and option ally removing a part of the gaseous air moving up the lower column into the balancing circuit of the first heat-exchanger, the improvement comprises in passing through a recirculating heat exchanger, a part of the said gaseous air to increase its temperature to ambient level and thereafter compressing it before it is recycled into the after-cooler expansion turbine for rectification into oxygen and nitrogen.

Compl. Specn. 13 pages. Drgs. 3 sheets.

CLASS : 42-A-2.

161956

Int. Cl. A 24 d 1/02.

A WRAPPER CONSTRUCTION FOR SMOKING ARTICLE.

Applicant : KIMBERLY-CLARK CORPORATION, OF 401, NORTH LAKE STREET, NEENAH, WISCONSIN-54956, U.S.A.

Inventors : (1) JOHN H. MATHEWS, (2) DONALD F. DUROCHER, (3) VLADIMIR HAMPL.

Application No. 583/Mas/84 filed August 7, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 claims

A wrapper construction for smoking articles having a single or double wrapper with characteristics of continuous free burn and having a reduced tendency to ignite other materials, said construction comprising an inner cellulose fiber containing base sheet having a Burn Mode Index (BMI) in the range of from 0.1 cm -1 to 5.0 cm -1 with or without an outer cellulose fiber containing base sheet having a BMI in the range of from 2.0 cm -1 to 40 cm -1 and wherein the wrapper construction contains an alkali metal salt burn promotor such as herein described in an amount equivalent to 5 mg to 150 mg. of anhydrous potassium citrate in one gram of bone dry inner or outer base sheet.

Compl. 23 pages; Drgs. 3 sheets out of which one sheet is of size 33.00 cms. By 41.00 cms.

2—487G1/87

CLASS : 40 B.

161957

Int. Cl. B 01 j 11/32.

AN IMPROVED PROCESS FOR PREPARING A MIXED OXIDE CATALYST.

Applicant : LUMMUS CREST INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 1515 BROAD STREET, BLOOMFIELD, NEW JERSEY 07003, U.S.A., AND ALUSUISSE ITALIA S.P.A., AN ITALIAN SOCIETE PER AZIONI, OF VIA VITTOR PISANI 31, MILANO, ITALY.

Inventors : (1) GEORGE DAN SUCIU, (2) GIANCARLO STEFANI AND, (3) GARLO FUMAGALLI.

Application No. 589/Mas/84 filed August 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 claims

A process for preparing a mixed oxide catalyst, the improvement comprising :

calcining uncalcined catalyst precursor comprising the mixed oxides of vanadium and phosphorus to remove water of hydration and provide a partial oxidation of vanadium to the pentavalent state; said calcined precursor having an average particle size of less than 10 microns; treating said calcined catalyst precursor with a phosphoric acid and a member selected from the group consisting of water soluble compounds of boron, aluminium and mixtures thereof in an amount sufficient to provide a mixed oxide catalyst having a phosphorus to vanadium ratio of from 1:1 to 2:1 and a ratio of said member to vanadium of from 0.10 to 0.25 : 1; drying the treated catalyst precursor to produce the mixed oxide catalyst having an average particle size of at least 40 microns and not more than 400 microns and calcining said dried mixed oxide catalyst.

Compl. Specn. 21 pages. Drgs. nil.

CLASS : 9-D, F & 85-R.

161958

Int. Cl. C 22 c 39/04, 39/26.

A METHOD OF MANUFACTURING FERROSILICON-MANGANESE ALLOY.

Applicant : SKF STEEL ENGINEERING AKTIEBOLAG, A SWEDISH COMPANY, OF P.O. BOX 202, S-81300 HOFORS, SWEDEN.

Inventors : (1) SVEN SANTEN & (2) BORJE JOHANSSON.

Application No. 594/Mas/84 filed August 9, 1984.

Divisional to Patent No. 155076 (Ante-dated to May 11, 1981).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 claim No drawing

A method of manufacturing ferrosilicon manganese alloy from a mixture of manganese ore containing iron, quartz and lime as raw material in an appropriate proportion depending upon the manganese content in the ore; for example on ore containing 35% manganese, 38% quartz being used; in a coke filled shaft furnace with a plasma generator arranged at the bottom thereof for supply of energy required for the reactions characterised in that said raw materials together with coal in powder form are injected into a reduction zone in the coke filling in front of the plasma generator, and in that the coke filling take part in the reaction as part of the reducing agent and the lime serving the purpose of flux.

Compl. Specn. 5 pages.

CLASS : 98-I.

161959

Int. Cl. F 24 j 3/02.

A SOLAR COLLECTOR TRACKING SYSTEM.

Applicant and Inventor : ELI COMEN, A U.S. CITIZEN OF 350 CONTINENTAL AVE., PARAMUS, N.J. 07652, U.S.A.

Application No. 635/Mas/84 filed 23 August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 claims

A solar collector tracking system comprising :

a parabolic reflector;

an energy absorption tube provided above and across said parabolic reflector, said energy absorption tube having an energy absorption fluid flowing therethrough;

a frame provided on at least one end of said parabolic reflector;

one photovoltaic cell provided on either side of said energy absorption tube, said cells directed downward toward said parabolic reflector; and

tracking control means for following the path of the sun and controlling the position of said parabolic reflector with respect to the sun solely determined by the signals produced by said photovoltaic cells.

Compl. Specn. 12 pages. Drgs. 2 sheets.

CLASS : 68.E-1.

161960

Int. Cl. G 05 f 1/68.

REACTIVE-POWER COMPENSATOR FOR AN ALTERNATING VOLTAGE SYSTEM.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5401, BADEN, SWITZERLAND, A SWISS COMPANY.

Inventor : HERBERT STEMMLER.

Application No. 727/Mas/84 filed September 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 claims

Reactive-power compensator for compensating a reactive-current component in an alternating voltage system, comprising :

(a) a current converter bridge circuit having an alternating-voltage input (19) which is to be connected to the alternating-voltage system (18) and a direct-current output (20),

(b) forced-commutation current converter rectifiers (1, 4), in all branches of the current converter bridge circuit, which rectifiers are arranged in such a manner that a defined current direction is produced at the direct-current output (20),

(c) a capacitor (9) which is connected in parallel at the alternating-voltage input (19),

(d) a smoothing choke (10) as termination at the direct-current output (20) so that

(e) the current converter bridge circuit accepts as its alternating-voltage input (19) a compensation current (I) in the form of approximately rectangular current pulses having a pulse frequency (f) which is greater than the frequency of the alternating-voltage system (18), characterised in that means for driving the forced-commutation current converter

rectifiers (1, 4), contain a drive unit (11) and a pulse-width modulator (12) which is connected to the former and which outputs to the control unit (11) width-modulated pulses at the pulse frequency (f) in accordance with a control voltage (Us)

dependent on the magnitude and phase of the reactive-current component Ib for the purpose of controlling the commutation process, the said control voltage Us is generated by means of a first multiplier (13) which multiplies a reference voltage Ur which is shifted in phase by an angle of 90° with respect to the system voltage Un of the alternating-voltage system (18), or an amplified reference voltage a Ur by a multiplication factor (M), the magnitude of which is proportional to the magnitude of the reactive-current component Ib and which changes its sign when the reactive-current component Ib changes between the inductive and the capacitive range, so that

(f) the polarity and width of the current pulses is modulated in accordance with a sine function in such a manner that the fundamental of the compensation current (I) is identical in frequency and amplitude with respect to the reactive-current component Ib but shifted in phase by 180°.

Compl. Specn. 21 pages; Drgs. 4 sheets.

CLASS : 123; 5.

161961

Int. Cl. C 05 C 11/00.

A PROCESS FOR PREPARING PLANT GROWTH STIMULATING COMPOSITION.

Applicant : DAN CARISON SCIENTIFIC ENTERPRISES, INC., 708 119TH LANE, N.E., BLAINE, MINNESOTA 55434, U.S.A.

Inventor : 1. DANIS RICHARD CARISON.

Application No. 991/Cal/82 filed August 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for preparing a plant growth stimulating composition comprising :

(a) admixing gibberellin solution having 0.1 to 200 parts per million gibberellin A-3 based on the weight of said solution;

(b) 1 to 15 parts per thousand by volume of seaweed extract;

(c) 5 to 31 parts per thousand by volume of subjecting the said mixture to sound waves having frequency of between 4 and 6 kilohertz to facilitate reception of said growth stimulating composition into the cells of said plant.

Compl. Specn. 11 pages. Drg. nil.

CLASS : 32-F₂ (a).

161962

Int. Cl. C 07 c 143/00, 143/675.

A METHOD FOR MAKING AN N-ACYLATED HYDROXYAMINO-ARYLSULFONIC ACID.

Applicant : AMERICAN HOECHST CORPORATION OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. ANTHONY J. CORSO, 2. KATHLEEN M. COLAVITO, 3. THOMAS S. PHILLIPS.

Application No. 1093/Cal/82 filed September 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 claims

In a method for making an N-acylated hydroxyamino-arylsulfonic acid which comprises dissolving said hydroxyamino-arylsulfonic acid in aqueous solution and reacting it with an acylating agent, the improvement which comprises forming a lithium salt of said sulfonic acid in aqueous solution and conducting the acylation reaction at a pH of 3 to 6.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 70-B.

161963

Int. Cl. B 01 k 3/00.

A VERTICAL TYPE ELECTROLYTIC CELL AND ELECTROLYTIC PROCESS USING THE SAME.

Applicant: KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA-SHI, JAPAN.

Inventors : 1. YASUSHI SMEJIMA, 2. MINORU SHIGA, 3. TOSHII KANO, 4. KOJI SAIKI, 5. TSUTOMU NISHIO.

Application No. 1064/Cal/83 filed December 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A vertical type electrolytic cell partitioned by an ion exchange membrane into an anode compartment and a cathode compartment, characterized in that said cathode compartment is divided by a nonperforated cathode plate into a cathode gas generation room which consists of the space between the ion exchange membrane and the cathode surface facing said membrane and a cathode gas separation room which consists of the remaining space in the cathode compartment, said two rooms being totally separated from each other by the cathode plate except for opened portions provided near the uppermost and lowermost parts of said cathode plate through which said two rooms communicate; whereby a cathode gas generated, during electrolysis, on the cathode plate is removed by causing a circulating flow to occur between the gas generation room and the gas separation room by gas lift effect.

Compl. Specn. 30 pages. Drgs. 7 sheets.

CLASS : 172-D₄.

161964

Int. Cl. D 01 h 5/00, 7/00.

JET SPINNING DEVICE.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventor : 1. HERBERT STALDER, 2. EMIL BRINER.

Application No. 1139/Cal/83 filed September 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

Jet spinning device (1) with a pneumatic twist jet (3) arranged after a delivery roller pair (2) for taking up an unspun yarn delivered by the delivery roller pair (2), together with an output roller pair (5) arranged after the twist jet (3) for taking up the spun yarn (12) delivered by the twist jet (3) characterized in that communicating with the twist jet (3) there is a pneumatic guide tube (4) which projects so close to the output roller pair (5) that the yarn (12) is forwarded into the converging space (19) of the output roller pair (5) and is thereby automatically caught by the roller pair (5).

Compl. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 60-D.

161965

Int. Cl. A 47 g 25/04; A 47 j 57/08.

A CLOTHES HANGER.

Applicant & Inventor : ASHISH KUMAR SANYAL C/O. MR. J. N. GHOSH, 73A, SHAKESPEARE SARANI, CALCUTTA-700017, WEST BENGAL, INDIA.

Application No. 1550 Cal/83 filed December 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A clothes hanger comprising two side arms of equal length joined together and inclined downwardly in opposite directions the adjacent ends of the arms being formed with interengaging groove on one and tongue on the other, the sides of the groove and the tongue being formed with aligned holes for locating a tubular sleeve, a spacer member in contact with the adjacent ends of the side arms and having a hole aligned with the passage in the said tubular piece and a hook member having a stem passing through passage in the tubular piece and the hole in the spacer member and a hook at the top, the spacer member preventing the folding of the side arms while the hanger is assembled for use.

Compl. Specn. 12 pages. Drgs. 2 sheets.

CLASS : 32-E; 128-A.

161966

Int. Cl. C 09 j 3/12.

PROCESS FOR PREPARING PRESSURE SENSITIVE ADHESIVE COMPOSITION AS AN AQUEOUS EMULSION.

Applicant : JOHNSON & JOHNSON PRODUCTS INC., OF NEW BRUNSWICK, NJ 08933, 501 GEORGE STREET, UNITED STATES OF AMERICA.

Inventor : 1. TERESA HUANG HADDOCK.

Application No. 397/Cal/84 filed June 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

Process for preparing a pressure sensitive adhesive composition as an aqueous emulsion comprising polymerising 2 to 20% of N-vinyl caprolactam with an alkyl acrylate where in the alkyl group has from 1 to 10 carbon atoms, and optionally with from 0.001 percent to 5 percent by polymer weight of a third monomer copolymerizable with said N-vinyl caprolactam and said alkyl acrylate such as herein described the weight percent of said third monomer being less than that of said N-vinyl caprolactam, in an aqueous medium and in presence of a polymerization initiator and emulsifying agent.

Compl. Specn. 28 pages. Drg. nil.

CLASS : 45-G₁.

161967

Int. Cl. F 03 d 1/00, 1/28.

A DEVICE FOR USE WITH FLUSHING CISTERNS TOILETS.

Applicant : RECKITT & COIMAN OF INDIA LTD., OF 41, CHOWRINGHEE ROAD, CALCUTTA-700071, INDIA.

Inventor : 1. DEBABRATA DAS GUPTA.

Application No. 14/Cal/85 filed January 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A device for use with toilets having a flushing cistern, said device comprising : a lower bowl in which the deodorizer is deposited, said bowl having an open mouth and an upper soleless bowl detachably joined to the lower bowl, upper soleless bowl detachably joined to the lower bowl, ther into the flushing cistern, suspension means comprising a strip hooked at its upper end for engaging the rim of the flushing cistern and connected at its lower end to the upper or the lower bowl.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 146-D.

161968

Int. Cl. G 01 n 9/24.

FILTER CLEANING SYSTEM FOR OPACITY MONITOR.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX-60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. GEORGE ROBERT HALL II.

Application No. 114/Cal/85 filed February 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A filter cleaning system for an opacity monitor having a light source and a light sensor on opposite sides of a first optical path for measuring the opacity of gas in the first optical path, comprising :

calibration means operatively connected to the light source and sensor for calibrating the opacity monitor during a calibration period;

a pair of protective pipes having facing open first ends and lying on the first optical path between the light source and sensor with the gas whose opacity is to be measured adapted to pass between said open first ends;

a blower having an input for receiving air and an output for supplying air;

a primary filter for filtering air;

valve means connected to said blower, input and output, to said primary filter and to said pair of protective pipes, having a first position for supplying purging air from said filter to said blower input and from said blower output to said protective pipes for purging said protective pipes, and a second position for supplying blowdown air to said blower input and from said blower input to said primary filter for cleaning said primary filter; and

control means connected to said calibration means and to said valve means for moving said valve means into said second position thereof when said calibration means is activated to calibrate the opacity monitor during said calibration period.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 145-B & D.

161969

Int. Cl. D 21 f 3/00.

PRESS STRUCTURE IN PAPER MAKING MACHINES.

Applicant : RELOIT CORPORATION, OF P.O. BOX 350, RELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : 1. EDGAR J. JUSTUS.

Application No. 163/Cal/85 filed March 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A paper machine press structure comprising in combination :

a first roll press nip defined by an upper roll and a lower roll;

felt means passing through said nip for carrying a web therethrough to be dewatered;

a second extended press nip downstream from the first nip defined between a first surface and a second surface with the second surface being a shoe having a curved leading edge;

an endless press water impervious belt passing over said shoe through said nip;

lubrication supply means positioned for supplying a fluid between the belt and leading edge of the shoe to build up a dynamic layer of fluid between the belt and shoe to apply a pressing force to a web passing through the nip;

and felt means passing through said second nip for receiving water from said web.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 62, & n.

161970

Int. Cl. C 09 b 1/02 to 1/56.

A PROCESS FOR SEPARATING SODIUM SULFATE FROM AQUEOUS DYE STUFF SOLUTIONS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

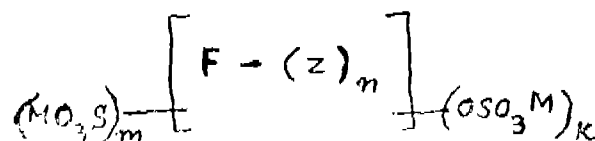
Inventors : 1. KONRAD OPITZ, 2. GUNTHER SCHW-AIGER, 3. HEINRICH POHLMANN, 4. MANFRED SIT-TIG, 5. CHRISTIAN FABEL, 6. SIEGFRIED WILHELM, 7. FRANZ MITTFR.

Application No. 230/Cal/85 filed March 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A process for separating sodium sulfate from aqueous solutions, containing sodium sulfate and less than 2% by weight of chloride, of anionic or cationic water-soluble dye-stuffs of the formula (1) of the accompanying drawings



Formula (1)

in which

F is the radical of a dyestuff chromophor of an anthra-quinone dyestuff, of a monoazo dyestuff, of a disazo dyestuff, of a trisazo dyestuff or of a phthalocyanine dyestuff or of a copper, chromium, cobalt, nickel or iron complex dyestuff of a monoazo, disazo or trisazo dyestuff or phthalocyanine dyestuff, or of a formazan, copper-formazan or nickel-formazan dyestuff,

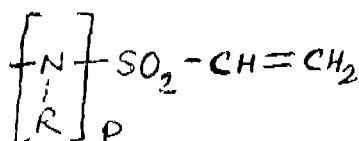
M is a hydrogen atom or preferably an alkali metal,

k is zero, 1, 2, 3 or 4 and

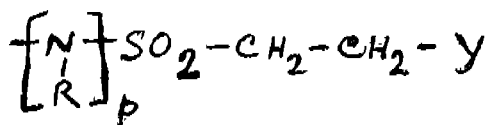
m is zero, 1, 2, 3 or 4

the sum of (k + m) being a number of at least 1, n is 1, 2 or 3,

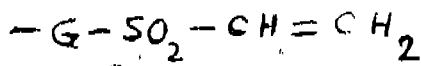
Z is a fiber-reactive monochlorotriazine radical, or a fiber-reactive group of the formula (2b), (2c), 2(d) or (2e)



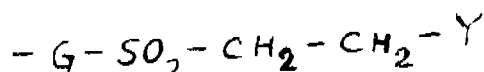
Formula (2b)



Formula (2c)



Formula (2d)



Formula (2e)

in which G is a methylene or ethylene group and

R is an alkyl group of 1 to 4 carbon atoms, p stands for the number zero or 1 and y is an acetyloxy group, a phosphato group, a thiosulfato group or a sulfato group or a chlorine or bromine atom,

and in which the fiber-reactive groups Z, insofar as in accordance with n being equal to 2 or 3 they are bonded to F twice or three times, can have meanings which are identical to or different from one another, the indicated sulfo groups cannot only be bonded to aromatic and aliphatic carbon atoms of F but can also be part of the fiber-reactive monochlorotriazine radical, the indicated sulfato groups cannot only be bonded to aliphatic carbon atoms of F but can also be part of the fiber-reactive group of the formula (2c) or (2e) and/or of the fiber-reactive monochlorotriazine radical, which comprises cooling down the solution to a temperature between +5°C and -15°C and separating off the precipitated sodium sulfate decahydrate.

Compl. Specn. 54 pages.

Drg. 5 sheets

CLASS : 151B.

161971.

Int. Cl. : F23j 3/00.

IMPROVED SOOT BLOWER FOR CLEANING INTERIOR SURFACE OF BOILER.

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF DELAWARE WITH OFFICES AT 11770 BEREA ROAD, CLEVELAND, OHIO 44111, U.S.A.

Inventor : GERALD FRANCIS ZALEWSKI.

Application for Patent No. 783/Del/82 filed on 29th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A soot blower of the long retracting type including a travelling carriage and a rotatable lance tube, said travelling carriage being movable in an advancing and retracting direc-

tion along a horizontal path of travel between forwardmost working position and a rearwardmost non-working position, the improvement characterised by a lance tube rotation device, which comprises (a) a rotary drive means mounted on said travelling carriage for rotating said lance tube and (b) an axially elongated, cable like element mechanically connected to said travelling carriage to move said travelling carriage in said advancing and retracting direction, (c) a rotor type element such as a rotatable drum arranged to provide a driving input to the rotary drive means and further arranged to be rotated upon operation of said axially elongated, cable like element to advance and retract said travelling carriage, and (d) said rotary drive means including independent velocity and direction control means for controlling the rotational velocity and direction of rotation of the lance tube independently of the speed and direction of travel of the travelling carriage.

Comp. specn. 20 pages.

Drw. 4 sheets.

CLASS : 28B.

161972.

Int. Cl. : F23d 1/00.

AN IMPROVED BURNER FOR USE IN A ROTARY KILN OF CEMENT PLANT.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (FORMERLY KNOWN AS CEMENT RESEARCH INSTITUTE OF INDIA) A BODY UNDER THE GOVERNMENT OF INDIA DIVOTED TO RESEARCH, TECHNOLOGY DEVELOPMENT AND TRANSFER, EDUCATION AND INDUSTRIAL SERVICES, M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110 049, INDIA.

Inventors : MADDALI VENKATA RANGA RAO, NARELASETTI VENKATA RAVISANKAR MOHAN & ASHOK KUMAR MISHRA.

Application for Patent No. 182/Del/84 filed on 29th February, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

An improved burner for use in a rotary kiln of a cement plant comprising a burner pipe characterized in means disposed within said pipe for causing swirling movement of the fuel-air mixture, said means comprising a stationary hub having a plurality of vanes mounted thereon.

Comp. specn. 7 pages.

Drw. 1 sheet.

CLASS : 120 B.

161973.

Int. Cl. : F16n 7/02.

A RESERVOIR FOR GRAVITY FEEDING LUBRICANT TO A BEARING.

Applicant : JAMES HOWDEN & COMPANY LIMITED, a British Company, of 195, Scotland Street, Glasgow G5 8PG, Scotland.

Inventor : GEORGE FRANCIS SANDERSON.

Application for Patent No. 806/Del/84 filed on 17th October, 1984. Convention date November 7/1983/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

Claims 5

A reservoir for gravity feeding lubricant to a bearing, said reservoir comprising a receptacle having a peripheral wall, an outlet from a lower part of said receptacle for the outflow of lubricant, an annular weir surrounding an inner space around said outlet, an inlet for feeding lubricant into the outer space between said peripheral wall and said annular weir and a bleed passage in said annular weir permitting a limited amount of lubricant to flow between said outer and inner spaces, a greater flow of lubricant being possible from said outer space to said inner space when lubricant rises in said outer space to a level at which it can pass over said weir.

Comp. specn. 8 pages.

Drw. 1 sheet.

CLASS : 40 A & 39 B.

161974.

Int. Cl. : B01j 11/00.

A METHOD OF MAKING A CATALYST COMPOSITE FOR DEHYDROGENATION OF HYDROCARBONS.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventors : TAMOTSU IMAI & CHI-WEN HUNG.

Application for Patent No. 891/Del/84 filed on 23 Nov., 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

A method for making a catalyst composite for dehydrogenation of hydrocarbons which comprised incorporating in a manner such as herein described a platinum group component such as herein described, a tin component such as herein described, an indium component such as herein described and an alkali or alkaline earth component such as herein described with a porous support material such as herein described so that the atomic ratio of indium to platinum group component is more than 1.0.

Compl. specn. 27 pages.

Drg. 2 sheets.

CLASS : 90J.

161975.

Int. Cl. : C03b 9/00.

MOULDING APPARATUS FOR USE IN A CYCLICALLY OPERATING GLASSWARE FORMING MACHINE.

Applicant : EMHART INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, U.S.A., OF 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT 06032, UNITED STATES OF AMERICA.

Inventor : THOMAS VINCENT FOSTER.

Application for Patent No. 900/Del/84 filed on 27th November, 1984.

Convention date 20th December, 1983/8333900/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

12 Claims

A moulding apparatus for use in a cyclically operating glassware forming machine, the apparatus comprising two supports on each of which one of two opposed side portions of a mould is mounted, each side portion defining side portions of a cavity of the mould which has an upwardly-facing opening through which molten glass is introduced into the cavity to be moulded to the shape of the cavity, the supports being movable in a cycle of operation of the machine to a first position thereof, in which the side portions engage one another to co-operate in defining the mould cavity so that moulding takes place, and to a second position thereof, in which the side portions are separated from one another so that the moulded glass is removable from the mould, the side portions also defining cooling passages each extending downwardly from an entrance in an upper surface of the side portion so that air can pass through the passages to cool the side portion, wherein the moulding apparatus also comprises two plenum chambers each of which is associated with a separate one of the supports and is mounted for movement therewith, each plenum chamber extending above the upper surface of the side portion mounted on its associated support without obstructing the opening of the cavity, each plenum

chamber having one or more exits which open downwardly and communicate with the entrances of the cooling passages in said side portion so that air supplied to the plenum chamber is supplied to each cooling passage at substantially the same pressure, each plenum chamber also having an entrance connected to air supply means operable to blow air into the plenum chamber.

Compl specn. 21 pages.

Drw. 3 sheets.

CLASS : 32B.

161976.

Int. Cl. : C07b 27/00.

PROCESS FOR THE PRODUCTION OF LINEAR ALKYLAROMATIC HYDROCARBONS.

Applicant : UOP INC., OF TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, IN THE UNITED STATES OF AMERICA.

Inventor : JAMES FRANKLIN HIMES.

Application for Patent No. 903/Del/84 filed on 27th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A process for the production of linear alkylaromatic hydrocarbons which comprises the steps of :

- (a) admixing a feed aromatic hydrocarbon such as herein described with C_6 plus normal olefinic hydrocarbon and with liquid phase HF in a reaction zone maintained at alkylation-promoting conditions and thereby forming a reaction zone effluent stream which comprises the feed aromatic hydrocarbon, HF, a product linear alkylaromatic hydrocarbon and a small amount of high boiling reaction by-products;
- (b) separating substantially all of the hydrocarbons present in the reaction zone effluent stream from the liquid phase HF present in the reaction zone effluent stream, and thereby forming a first hydrocarbon stream and first HF stream, passing the thus derived first hydrocarbon stream, into a contacting zone wherein the first hydrocarbon stream is contacted with liquid phase HF having a higher purity than the HF which is employed in the reaction zone and thereby forming a contacting zone effluent stream which comprises the feed aromatic hydrocarbon, HF and the product alkylaromatic hydrocarbon;
- (c) separating substantially all of the hydrocarbons present in the contacting zone effluent stream from the liquid phase HF present in the contacting zone effluent stream and thereby forming a second hydrocarbon process stream and a second HF stream;
- (d) passing a first portion of the second HF stream into the contacting zone and a second portion into the reaction zone;
- (e) dividing the first HF stream into a first HF recycle stream, which is passed into the reaction zone, and a regeneration HF stream;
- (f) passing a first aliquot portion of the regeneration HF stream into an HF regeneration column operated at HF regeneration conditions at the upper end of the regeneration column, and passing a larger second aliquot portion of the regeneration HF stream into the HF regeneration column at a second lower point; and
- (g) recovering the product linear alkylaromatic hydrocarbon from the second hydrocarbon process stream.

Compn. specn. 26 pages.

Drw. 1 sheet.

CLASS : 158 A.

161977

Int. Cl. : B61d 5/04.

LADING TANK OF A RAILWAY TANK CAR.

Applicant : RICHARD PAUL LOEVINGER, A CITIZEN OF THE UNITED STATES OF AMERICA, OF P.O. BOX 68, BRANDON, STATE OF SOUTH DAKOTA, UNITED STATES OF AMERICA.

Inventor : RICHARD PAUL LOEVINGER.

Application for Patent No. 77/Del/85 filed on 30th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A lading tank of a railway tank car, said tank car having a bottom and a pair of heat elements sloped toward an outlet valve opening of said tank car and vertically spaced above said bottom and sealed to said tank car for forming an insulated dead air space between said heat elements and said bottom, and heated fluid medium heat ducts provided with said heat elements for heating said heat elements, said heat ducts having a heated fluid medium inlet and outlet, said heat elements defining a fluid flow means communicating with said outlet valve opening, said fluid flow means comprising an annular plate member concentrically disposed to said outlet valve opening and sealingly located between the bottom of the tank and said heat elements, and an annular flange concentrically disposed to said outlet valve opening and sealingly located completely between the bottom of the tank and said heat elements, said annular flange, means connecting said heat ducts to the interior of said annular heat chamber, said fluid flow means being disposed in said insulated dead air space, said annular flange having a fluid flow opening communicating with said outlet valve opening, whereby the flow of the heated fluid medium through the heat chamber heats the annular flange which in turn transfers heat to the lading flowing out of the tank car outlet valve opening.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS : 151 B.

161978

Int. Cl. : F23j 3/00.

SOOT BLOWER.

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF DELAWARE WITH OFFICES AT 11770 BEREA ROAD, CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA.

Inventor : GEROLD FRANCIS ZALEWSKI.

Application for Patent No. 417/Del/85 filed on 20th May, 1985.

Divisional to Patent Application No. 783/Del/82 filed on 29-10-1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A soot blower of the long retracting type which comprises (a) a longitudinally extending soot blower housing, (b) a travelling carriage mounted within said housing for movement in an advancing and retracting direction along a horizontal path of travel defined by said soot blower

housing between a forwardmost working position and a rearwardmost non-working position, the improvement characterized by (c) said soot blower housing including two vertically disposed side walls, (d) each of said side walls including a track-forming bend extending longitudinally along substantially the full length of said side wall, (e) each of said track-forming bends consisting of a V-shaped bend extending into said soot blower housing from one of said vertically disposed side walls, (f) said travelling carriage including a plurality of rollers, and (g) each of said rollers including a track-engaging surface in engagement with one of said track-forming bends to movably support the travelling carriage within the housing.

Compl. Specn. 8 pages.

Drgs. 3 sheets.

CLASS : 116 G & 200 D.

161979

Int. Cl. : B65g 65/00.

Apparatus of transferring pulverulent or pasty, products from a cylindrical tank.

Applicant & Inventor : FREDERICH DIETRICH, A SWISS CITIZEN, OF 37, AVENUE DU CHATEAU-1008, PRILLY, SWITZERLAND.

Application for Patent No. 425/Del/85 filed on 27th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Apparatus for transferring a pulverulent or pasty product such as herein described from a cylindrical tank closed by an imperforate cover which is subjected externally to atmospheric pressure and is movable axially in fluid-tight relationship with the inner wall of said tank which apparatus comprises an outlet conduit communicating with the interior of said tank, an exhaust conduit and a transfer conduit connected by a three-way valve with said outlet conduit, and means for applying suction and pressure alternately to said exhaust conduit, said three-way valve being operable in co-ordination with said outlet conduit with said exhaust conduit when suction is applied to said exhaust conduit so as to draw said movable cover into said tank and said product into said exhaust conduit, and to connect said exhaust conduit with said transfer conduit when pressure is applied to said exhaust conduit to force said product from said exhaust conduit into and through said transfer conduit.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 70 B & 39 L.

161980

Int. Cl. : GO1n 27/38.

AN IMPROVED PROCESS FOR THE PREPARATION OF MANGANESE DIOXIDE COATED TITANIUM ANODES FOR USE IN THE PRODUCTION OF ELECTROLYTIC MANGANESE DIOXIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VEERARAGHAVA ARAVAMUTHAN, CHATHANGAT CHEERROOLIL GOPALAKRISHNAN, RENGACHART SRINIVASAN, SRINIVASA IYER VISVANATHAN, SILLANATHAM CHOKALINGA REDDIAR CHOCKALINGAM, SAVART KULANDAISAMY & JEEVANANDHAM PRAPHA KAR RETHINARAJ.

Application for Patent No. 513/Del/85 filed on 1st July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

An improved process for the preparation of manganese dioxide coated titanium anodes for use in the production of electrolytic manganese dioxide which comprises expanding titanium sheet used as anode suitably to increase the surface area, in the range of 10—75% cleaning the expanded anode by treating with an alkali salt solution and coating the cleaned anode with a manganese salt solution.

Compl. Specn. 17 pages.

OPPOSITION PROCEEDINGS.

An opposition has been entered into by Hawkins Cookers Limited, Bombay to the grant of a Patent on application for Patent No. 160614 made by Mr. Sunil C. Thadani, Bombay.

OPPOSITION PROCEEDINGS.

(1)

An opposition entered by I. A. E. C. India Ltd. to the grant of a Patent on Application No. 161031 made by Taprogge Gesellschaft m.b.H.

(2)

An opposition entered by I. A. E. C. India Ltd. to the grant of a Patent on application No. 161046 made by Taprogge Gesellschaft M.B.H.

(3)

An opposition has been entered by M/s. Kushal Confectionery & Pharma Limited to grant of a Patent on application No. 160471 (278/Del/84) dated 28-3-84 made by M/s. Warner Lambert Company.

(4)

An opposition has been entered by Director General, Research, Designs and Standards Organisation to the grant of a Patent on application No. 154610 made by P. V. B. A. Betonkonstruktie V. D. Hemiksem, Personen VVennootschap met beperkte aansprakelijkheid as notified in the Gazette of India, Part III, Section 2 dated 08th June, 1985, application for Patent shall be treated as abandoned.

(5)

An opposition has been entered by the Dharamsi Morarji Chemical Company, Limited to the grant of proposed amendments of the complete specification in respect of application for Patent No. 157410 made by The Fertilizer (Planning & Development) India Ltd. and the said opposition has been dismissed as the opponents are not interested in opposing the proposed amendments and have withdrawn their notice of opposition.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Dayco Products, Inc., under Section 20(1) of the Patents Act, 1970, to proceed the Application for Patent No. 160705 in their name has been allowed.

PATENTS SEALED

158665 158930 159250 159570 159639 159647 159649 159664
159667 159668 159669 159670 159671 159678 159679 159682
159684 159685 159687 159688 159691 159692 159693 159694
159695 159697 159698 159699 159700 159701 159702 159704
159727 159728 159731 159735 159737 159738 159741 159744
159748 159750 159754 159766 159778

AMENDMENT OF PATENT UNDER SECTION

44 OF THE PATENTS ACT 1970

In pursuance of an application under section 44 of the Patents Act 1970, Patent No. 154461 has been amended by substituting the name and address of R. Krishnamoorthy (R. Moorthy) for the name and address of the grantee.

RENEWAL FEES PAID

139335 139822 150040 140197 140951 142718 143162 143484
143499 143519 143533 153551 143603 143644 143645 143646
143754 143770 144112 144364 144377 144495 144657 144745
144754 145058 145151 145587 145679 145780 145867 145943
146014 146043 146387 146501 146564 146699 146730 146829
147062 147067 147459 147562 147645 148180 148354 148408
148677 149013 149164 149332 149384 149575 149736 149740
149882 150156 150205 150680 150685 150745 150819 151035
151038 151066 151125 151203 151232 151234 151268 151276
151317 151322 151456 151536 151586 151655 151790 151968
152024 152147 152343 152501 152520 152595 152642 152785
152899 152970 153284 153285 153538 153570 153615 153626
153715 153753 153789 153819 153860 154060 154098 154490
154542 154705 154827 154955 154997 155053 155070 155212
155227 155288 155307 155363 155388 155623 155658 155659
155687 155701 155702 155715 155725 155750 155856 156921
156371 156401 156509 156569 156618 156670 156808 156921
157011 157064 157105 157131 157163 157167 157168 157169
157335 157404 157418 157485 157550 157551 157561 157619

157633 157681 157731 157972 158035 158087 158088 158094
 158095 158098 158099 158103 158134 158142 158148 158154
 158157 158159 158215 158348 158352 158359 158421 158427
 158487 158489 158510 158518 158631 158632 158761 158786
 158999 159031 159035 159098 159122 159136 159295

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 143896 dated the 24th May, 1976 made by Nico-Pyrotechnik Hanns-Jurgen Diederichs KG on the 22nd May, 1987 and notified in the Gazette of India Part III, Section 2 dated the 10th October, 1987 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 149398 dated the 1st June, 1978 made by Stopnic AG on the 28th May, 1987 and notified in the Gazette of India, Part III, Section 2 dated the 3rd October, 1987 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 156569 dated the 17th March, 1983 made by Shyam Bhagwandas Kewalramani on the 18th May, 1987 and notified in the Gazette of India, Part III, Section 2 dated the 30th October, 1987 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152394 granted to Widia (India) Limited for an invention relating to "a welding electrode".

The patent ceased on the 16-3-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 26-12-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700 017 on or before the under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application for restoration of Patent No. 149755 dated the 1st June, 1978 made by Stopnic Aktiengesellschaft on the 28th May, 1987 and notified in the Gazette of India, Part III, Section 2 dated the 10th October, 1987 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158589. Raj Kumar Sah, Rajendra Kumar Sah and Ravindra Kumar Sah, all Indians, trading as Raj Kumar Sah & Sons, a firm registered under the Indian Partnership Act and also trading as National Winder, all of Pishachmochan Marg, Chetganj, Varanasi-221001, Uttar Pradesh, India. "Table Fan". 30th July, 1987.

Class. 1. No. 158621. Jyoti Jewellery, Juma Masjid, 327, Sheikh Memon Street, Bombay-400002, State of Maharashtra, India, an Indian Sole Proprietary Firm. "Face Mirror" 4th August, 1987.

Class. 1. Nos. 158623, 158624, 158631. Jyoti Jewellery, Juma Masjid, 327, Sheikh Memon Street, Bombay-400002, State of Maharashtra, India, an Indian Sole Proprietary Firm. "Photo Frame". 4th August, 1987.

Class. 1. No. 158635. Nemi Laxmichand Shah, Indian Nationals of Mahavir Metal Industries, of R.K. Studio, Chembur, Bombay-400 071, State of Maharashtra, India. "Tiffin Carrier". 5th August, 1987.

Class. 1. No. 158637. Raj Kumar Sah, Rajendra Kumar Sah and Ravindra Kumar Sah, all Indians, trading as Raj Kumar Sah & Sons, a firm registered under the Indian Partnership Act and National Winder, owned by Raj Kumar Sah & Sons, all of Pishachmochan Marg, Chetganj, Varanasi-221001, Uttar Pradesh, India. "Name Plate for Table Fan". 5th August, 1987.

Class. 1. No. 158669. Raj Kumar Sah, Rajendra Kumar Sah and Ravindra Kumar Sah, all Indians, trading as Raj Kumar Sah & Sons, a firm registered under the Indian Partnership Act and also trading National Winder, all of Pishachmochan Marg, Chetganj, Varanasi-221001, Uttar Pradesh, India. "Name Plate". 11th August, 1987.

Class. 1. No. 158689. Kalyanji Shamjibhai Shah, an Indian National of Super Enterprises, 7/8, Vakil Estate, Irani Road, Dahanu Road, District-Thane, Maharashtra State, India. "Multi Purpose Grater". 19th August, 1987.

Class. 3. No. 158690. Rambo Chemical Industries Private Limited (an existing company under the Companies Act) at Rambo Industries, 51, Kalumal Estate, Juhu, Bombay-400 049, Maharashtra State, India. "Container". 19th August, 1987.

Class. 3. No. 158696. Kotak Lace Craft, M.S. Building No. 13, 1st floor, Room No. 456, Chembur Colony, Bombay-400074, State of Maharashtra, India, an Indian Sole Proprietary firm. "Fastener". 19th August, 1987.

Class. 3. No. 158703. Palghat Oil Industries, 16-11-581/1, Dilsukhnagar, Hyderabad-Andhra Pradesh, State, India, an Indian Partnership firm. "Bottle". 20th August, 1987.

Class. 4. No. 158470. Hajoori & Sons, (a registered partnership firm) also trading as H. & S. Chemical Works at Udhna Magdalla Road, Surat, Gujarat State, India. "Bottle". 29th June, 1987.

Class. 5. No. 158565. Muller & Phipps (India) Limited, (an existing company under the Companies Act) at Queens Mansions, 3rd Floor, Fort, Bombay-400 001, State of Maharashtra, India. "CARTON". 21st July, 1987.

*Extn. of Copyright for the Second period of five years*Nos. 152706, 152707, 152716, 149177, 155103, 155131—
Class-1.Nos. 152653, 152677, 152555, 152556, 155201, 155375,
155201, 149282, 151309, 155104—Class-3.*Extn. of Copyright for the Third period of five years.*

Nos. 150496, 155131—Class-1.

Nos. 155201, 155375—Class-3.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.